

**APPENDIX E**

**AREAS OF CONCERN AT UTTR**

## **APPENDIX E**

### **AREAS OF CONCERN AT UTTR**

This appendix provides a summary listing of Areas of Concern at the Utah Test and Training Range-North (UTTR-North), Utah Test and Training Range-South (UTTR-South), and the UTTR-Wendover AFAF.

TABLE E-1

## UTTR – NORTH AREAS OF CONCERN

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
1	Debris pile, Checkpoint Charlie	West side of ridge south of Checkpoint Charlie	Some visible wastes present	1970-1980	Scrap metal and spent munitions debris collection and disposal	Scrap metal, spent munitions debris	N
2	Cluster Bomb Unit (CBU) Valley disposal trenches	Northeast side of CBU Valley	2 Earthen trenches, ~150 x 15 x 8 ft	1980s	Propagation tests	Scrap metal, spent munitions, construction debris	N
3	Craner's Complex munitions pit	Craner's Tactical Target Complex, 40 miles west-southwest of Oasis compound	Earthen trench, ~90 x 15 x 8 ft and adjacent inert ordnance pile	1983-Present	Collection and disposal of spent munitions debris	Spent ordnance from range clearing operations	N
4	Oil/water separator at Eagle Tower	Eagle Tower, next to the vehicle maintenance shop	Concrete 8 x 8 x 8 ft, plus small drain field	1972-Present	Fluids from vehicle maintenance operations	Fuels, waste oils, spent solvents	D
9	TTU residue pits	Sedal Pass	1 open earthen trench, ~75 x 15 x 8 ft and unknown number of similar trenches	1950-1991	Disposal of residual material generated during OB/OD at the TTU	Scrap metal, spent munitions debris	N
10	TTU munitions burn pit	Sedal Pass	1 trench 75 x 15 x 8 ft	1950s-1995	OB operations (1 acre, active treatment facility)	Scrap metal, residue ash, diesel fuel constituents	N
11	TTU operations area	Sedal Pass	3 sites; 2 overcrushed limestone, 1 concrete and steel	1950-Present	OB/OD operations (0.7 square mile, active TSDF)	Waste munitions and propellants	N
12	Chemical disposal pit #4	3 miles north of Oasis compound	1 gravel pit, ~15 x 20 ft	1973-1975	Disposal of waste oil, diesel fuel, solvents	Waste oil, diesel fuel, solvents	Y-1
13	Sewage lagoon	Northwest of Oasis compound	2 unlined lagoons	1968-Present	Collection of domestic sewage and wastewater	Domestic sewage and wastewater	P
14	Fire training area	0.25 miles north of Oasis compound	Circular earthen pit, ~60 ft in diameter	1968-1992	Fire training	Diesel fuel used to ignite fires and scrap metal	S

TABLE E-1

UTTR – NORTH AREAS OF CONCERN  
(CONTINUED)

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
15	Morale, Welfare, and Recreation (MWR) yard	Oasis compound	Gravel-covered yard, ~200 x 300 ft	1980-Present	Vehicle preparation for use as targets; vehicle and equipment storage	Vehicle fluid spills	S
16	Target yard	Oasis compound	Gravel-covered yard, ~200 x 300 ft	1980-Present	Vehicles and equipment storage	Vehicle fluid spills	S
17	CBU Valley detonation/construction debris craters (A and B)	North end CBU Valley	2 craters, each ~250 ft in diameter	1988-1989	Propagation test	Scattered construction debris and large craters, weathered propellant	N
19	Satellite accumulation site TE-05	East side of Building 10018	NA	1991-1993	Satellite accumulation area	Battery acid	N
20	Satellite accumulation site TE-06	Eagle range, north side, Building 40054	NA	1991-Present	Satellite accumulation area	Used antifreeze, waste oil	N
21	Satellite accumulation site TM-04	Oasis compound; MWR yard	NA	1991-Present	Satellite accumulation area	Waste oil, antifreeze	P
22	Satellite accumulation site TU-02	South side of Building 40065	NA	1993-Present	Satellite accumulation area	Residue and filters from recycling of antifreeze	N
24	Satellite accumulation site TR-05	Southwest of Building 40011	NA	1988-Present	Collection point for sites UM-04, TE-05, TE-06, TU-02, and TU-03	Used oil, paint waste, solvents, sulfuric acid, antifreeze recycling waste	N
25	Eagle range disposal pits - Addressed further under Sites 37 through 47	Eagle range	17 sites				
26	Bravo dump area	Eagle range	Area – 3,927 m <sup>2</sup> ; Perimeter – 278 m	1970-1980	Scrap metal and spent munitions debris collection and disposal	Spent ordnance casings and used targets	N
27	LM motor test pads (Pads 1, 2, and 3)	West of Oasis compound	TBD	1962-Present	Testing of large rocket motors	Quench water	Y-2

TABLE E-1

UTTR – NORTH AREAS OF CONCERN  
(CONTINUED)

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
28	30mm firing range	Valley south of Candy Mountain	Area – 329 m <sup>2</sup> ; Perimeter – 103 m	1978- Present	Test firing of 30mm cannons	Spent 30mm shell casings, projectiles	N
29	M60 firing range	North of road west of Little Papa	Area – 2,400,000 m <sup>2</sup> ; Perimeter – 6,096 m	1960s- Present	Firing range	Spent shell casings and practice rounds	N
30	HAG munitions pits (A, B, and C)	HAG (A-North; B-Middle; C-South)	3 trenches, ~75 x 15 x 8 ft	?-Present	Bombing and gunnery range clearances	Scrap metal, spent munitions debris	N
31	Sulfuric acid spill	North side of water treatment plant	Unknown	1960s- 1985	Water treatment	Sulfuric acid spill from 3,000-gal above-ground storage tank (AST)	Y-3
32	Salvo area	North center of UTTR-North	5 square mile area within mudflats	1940s- Present	Emergency fuel and ordnance drop area	Jet fuel, live munitions	N
33	CBU Valley target yard	CBU Valley	Area – 20,418 m <sup>2</sup> ; Perimeter – 546 m	Unknown	Scrap metal (destroyed vehicles) debris collection and disposal	Scrap metal (vehicles)	N
34	CBU Valley craters	CBU Valley	4 craters, each ~75 ft across	1980- Present	Propagation tests	Scrap metal, spent munitions and construction debris	N
35	Target 21 munitions pits (A through H)	Target 21, ~10 miles south-southwest of Eagle Range	8 earthen pits, each ~75 x 15 x 8 ft	~1960- 1970	Spent ordnance and target debris collection and disposal	Spent munitions debris and empty metal and wooden containers	N
36E	Target 21 disposal trench	North side of access road to Target 21, 200ft northwest of Site 36W	70ft x 30ft x 6ft deep	Late 1950s to present	Disposal of debris from the Hill Genie Project and debris from Target 21	500, 1000, 2000 pound practice bomb parts, Mark 105 practice bombs, parachute material, scrap metal	N
36W	Target 21 disposal trench	South side of access road to Target 21, 1000ft west of the target	70ft x 30ft x 5ft deep	Late 1950s to present	Disposal of debris from the Hill Genie Project	500, 1000, 2000 pound practice bomb parts, parachute material, scrap metal, concrete, spent flares	N

TABLE E-1

UTTR – NORTH AREAS OF CONCERN  
(CONTINUED)

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
37	Disposal pits by main bomb circle #1 (Pit M-1)	Eagle range, 4000ft southwest of the Eagle range observation tower	120ft diameter	1975-Present	Target complex	Scrap metal, inert munitions with live spotting charges, 2 1/2 ton military truck, tires, mark 106 practice bombs, 6ft x 20ft steel tank	N
37W	West Track (WTAC) target buried tank and vehicle parts (Pits M-2 and M-3)	Eagle range, 1.1 miles west of the Eagle range observation tower	60ft x 100ft x 4 ft high	1975-present	Target complex	Three Sherman tanks, truck parts, inert munitions, practice bombs with live spotting charges, residues from a F-4 crash site	N
38W	Disposal pit in middle of west strafe run (M-4)	Eagle range, 0.35 miles southwest of the Eagle range observation tower	Unknown	1978-1980	Target complex disposal area	Scrap metal, spent and live 20-mm munitions, paint cans	N
38N	Disposal pit in middle of north strafe run (M-5)	Eagle range, 0.2 miles east of the Eagle range observation tower	Unknown	1978-1980	Target complex disposal area	Spent and live 20-mm munitions	N
39W	Disposal pit next to west strafe run (M-6)	Eagle range, 0.28 miles west of the Eagle range observation tower	Unknown pit dimensions, 10ft x 5 ft x 3ft high pile	1975-1983	Ordnance and target debris collection and disposal	Scrap metal, spent and live 20-mm munitions and debris	N
39N	Disposal pit next to north strafe run (M-7)	Eagle range, 0.5 miles northeast of the Eagle range observation tower	Unknown pit dimensions, several small piles	1975-1983	Ordnance and target debris collection and disposal	Scrap metal, spent and live 20-mm munitions and debris	N
40	Disposal pit at the "boneyard" (M-8)	Eagle range, 2000ft west-northwest of the Eagle range "boneyard"	75ft diameter	Unknown	Inert bombs and waste from target preparation	Inert bombs, wastes from target vehicle preparation	N
41	Disposal pit beneath break room (M-9)	Eagle range	15ft diameter, 18ft deep	Prior to 1979	Disposal of inert bombs and domestic garbage	Inert bombs and domestic garbage	N
42	Disposal pit north of north strafe run (M-10)	Eagle range, 0.54 miles northeast of the Eagle range observation tower	20ft diameter, 20ft deep	1978-1980	Spent ordnance and target debris collection and disposal	Scrap metal, spent and live 20-mm munitions and debris	N

TABLE E-1

UTTR – NORTH AREAS OF CONCERN  
(CONTINUED)

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
43	Bravo munitions trenches (M-11)	Eagle range, 2 miles southeast of the Eagle range observation tower	1000ft x 20ft, several 10-12ft deep trenches	Early to late 1980s	Spent ordnance and target debris collection and disposal	Scrap metal, spent munitions debris, practice bombs, 20-mm practice munitions, waste oil, solvents	N
44	Disposal pits at Target #18 (M-12, M-13, and M-14)	Eagle range, 1.25 miles northwest of the Eagle range observation tower	Four trenches. Eight surface debris sites, up to 25ft x 25 ft	Trenches 1980-1990 Surface Debris 1991-present	Spent ordnance and target debris collection and disposal from Target 18	Scrap metal, spent munitions debris	N
45	Disposal pit 50 ft southeast of vehicle maintenance (W-1)	Eagle range	TBD	1975-early 1980s	Disposal of wastes from the vehicle maintenance shop and administrative building	Vehicle parts, waste oil, waste solvents and fuels, paint, scrap metal, construction debris, 20mm munitions debris, 20 pound Bomb Dummy units	N
46	Disposal pit under water tank (W-2)	Eagle range	12ft x 10ft	1975-1978	Disposal of office trash	Office trash	N
47	Former dump area north of north strafe run (W-3)	Eagle range	20ft diameter x 20 ft deep	1980-1982	Disposal and burn of waste liquids (MEK, acetone, and paint), tires, and office trash	Waste liquids (MEK, acetone, and paint), tires, and office trash	N
48W	Big Papa craters and trench	Big Papa, 1.7 miles north of the intersection of Big Papa Road and Ash Avenue	2 craters, 40ft diameters, 4ft deep; trench 50ft x 120ft	Unknown	Disposal of propagation bomb testing debris	Wood planks, metal debris, spent rocket debris, Mark 36 practice bombs	N
48N	Big Papa test area north trench	Big Papa, 0.34 miles north of the intersection of Big Papa Road and Ash Avenue	25ft x 20ft	Late 1960s-1989	Disposal of residual material from open storage munitions testing	Scrap metal, wire, wood, parachute material, dummy bomb parts	N
48E	Big Papa trenches	Big Papa, 0.4 miles north of the intersection of Big Papa Road and Ash Avenue	2 trenches, ~250 x 75 x 10 ft and 140 x 35 x 10 ft	Late 1960s-1989	Disposal of residual material from static bomb propagation testing at the Big Papa area	Scrap metal, spent munitions debris, empty guided missile containers, live munitions and construction debris	N

TABLE E-1

UTTR – NORTH AREAS OF CONCERN  
(CONTINUED)

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
49	Munitions burial trench	1.0 miles north and 1.75 miles east of UTTR-North of UTTR-North south gate entrance	Unknown	1958-1964	Disposal trench for practice bombs	Practice bomb parts and debris	N
50	Munitions debris pile	1000ft southeast of Site 49	5ft x 15ft	Unknown	Collection and disposal of practice bomb and target debris	Practice bomb parts, spent flare canisters, metal scrap, ejection seat canisters	N
51	Strafing target S1 debris Pile#1	1.6 miles north of UTTR-North south gate entrance	20ft x 20ft x 6ft	1956-1958	Disposal pile for target material from Target S1	Debris material from Target S1, scrap metal, spent munitions debris, rocket propellant	N
52	Strafing target S1 debris Pile#2	1.7 miles north of UTTR-North south gate entrance	30ft x 30ft x 10ft	1956-1958	Disposal pile for target material from Target S1	Debris material from Target S1, scrap metal, spent munitions debris	N
53S	Practice bomb debris pile at Strafing target S1	1.0 miles north and 0.75 miles west of UTTR-North south gate entrance	30ft x 100ft	1956-1958	Disposal of practice bombs	Spent practice bombs	N
53N	Bomb Craters north of Site 53S	1.4 miles north and 1.5 miles west of UTTR-North south gate entrance	50ft x 110ft x 10 ft	1956-1958	One time detonation of 10,000 pound bombs	Metal scrap	N
54	Rocket Motor Burn Areas	1.6 miles north UTTR-North south gate entrance and 1.7 miles west of Lambert Boulevard	10ft x 10ft	Unknown	Rocket motor burn	Burnt rocket motor debris	N
55	Munitions burial trench	0.1 miles north and 0.2 miles west of UTTR-North south gate entrance	45ft x 135ft	Unknown	Unknown	Detonation cord, propellant, live and spent 50 caliber shells, potential CBU fragments	U



**TABLE E-1**  
**UTTR – NORTH AREAS OF CONCERN**  
**(CONTINUED)**

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
56	West of former Oasis Compound area burial trench	Northwest corner of intersection of Artic Road and Ash Avenue	Unknown	1956-1970	Disposal of spent munitions and target debris	Scrap metal, spent flares, sand filled bombs	N
56E	North of former Oasis Compound area	Northeast corner of intersection of Artic Road and Ash Avenue	30ft x 90ft	1950s-1970s	Borrow trench for construction projects	None suspected	N
57	Sink Valley Munitions Landfill	4 miles north of Oasis Compound and 0.5 miles west of Oasis Compound Road	Unknown	1958-1966	Disposal of target and munitions debris	Weathered propellant, metal, wood, bomd debris, window glass	N
58	Debris pile	0.3 miles west of the intersection of Charlie road and Big Papa Road	25ft diameter x 2ft high	Early 1970s	Rocket motor impaler tests and munitions disposal	75 caliber shell casings, CBU spinners, concrete, rebar, vehicle parts,	N
59	Laser tunnel target pad	0.5 miles east of Target 13	300ft diameter	Early 1980s	Smart bomb target practice	Wood, metal fragments and debris	N
60	Bomb crater propagation testing debris	900 ft east of Little Papa test pad	120ft diameter	1969-1988	Disposal of debris from propagation testing at Little Papa testing pad	Concrete, rebar, shipping containers, scrap metal, spent and possible live munitions debris, flare canisters, weathered propellant	N
61	Bomb crater spent flare debris dump	600ft south of Little Papa test pad	50ft diameter	1969-1988	Propagation testing at Little Papa testing pad	Spent flares, metal, concrete debris, wood	N
62	HAG munitions trench	Western edge of the coffin in the HAG	30ft x 70ft x 8ft deep	1965-1975	Disposal trench for spent and live munitions	Ordnance	N
63	North debris filled shallow depression	Three miles west of Little Papa test pad	100ft x 30ft	Late 1950s	Disposal area for target debris	Empty 55 gallon drums, scrap metal, spent munitions, wood scraps	N

TABLE E-1

**UTTR – NORTH AREAS OF CONCERN  
(CONTINUED)**

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
63S	Target debris accumulation area	200 yards south of Site 63	Debris scattered over 480ft	Late 1950s	Disposal area for target debris	Empty 55 gallon drums, tanker shell, aircraft fuel tanks, metal debris	N
64	Spent rocket motor debris pile	1.5 miles west of Candy Mountain	10ft diameter	1964-1965	Disposal of spent rotor motors	Rocket motor debris	U
65	Target 24 open munitions trench	Western edge of Target 24	20ft x 75ft x 6 ft deep	Early 1960s to early 1990s	Disposal of spent munitions debris from Target 24	Spent and live munitions	N
66	Target 24 buried munitions trenches	Southeast corner of Target 24	Unknown	1955-early 1970s	Spent ordnance and target debris disposal	CBUs,unexploded bombs, electronic and inert material	N
67	Target 13 and Target 23 open munitions trenches	600ft east of Target 13	25ft x 75ft x 6ft deep	1964-1988	Spent ordnance and target debris collection and disposal	Spent and live munitions, empty CBU dispensers, tires, scrap metal, wooden munitions crates	N
68	Diddle Knoll Ravine	3 miles north of UTTR-North south gate entrance	30ft x 70ft	Early 1960s-mid-1970s	Radio station general solid waste disposal	Tin cans, wood scrap, glass, broken florescent light bulbs, metal debris	N
69	Target 13 buried munitions trench	0.5 miles east of Target 13	Unknown	1956-early 1980s	Spent ordnance and target debris collection and disposal	Live fuses, spent flares, practice bombs	N
70	F-16 crash debris pile	To be determined	To be determined	To be determined	To be determined	To be determined	U
71	Somokey Sam propellant casings	To be determined	To be determined	To be determined	To be determined	To be determined	U
72	Detonation craters	1.25 miles west of UTTR-North south gate entrance	10ft x 30ft trench and 8 crater	Unknown	Possible disposal of munitions debris and test detonations	Unknown – potential munitions	U
73	Open burn area	0.36 miles north of UTTR-North south gate entrance and 0.17 miles west of Lambert Boulevard	100ft x 50ft	Unknown	Open burn area	Metal, glass, charcoal, vitrified soil	N

TABLE E-1

UTTR – NORTH AREAS OF CONCERN  
(CONTINUED)

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
74	Craters south of Target 24	To be determined	To be determined	To be determined	To be determined	To be determined	U
75	Corrosion test site north	East of Target 21, 1200ft west of Lambert Boulevard and target access road intersection	Three trenches in an area 30ft x 150ft x 4ft deep	1973-1984	Corrosion test site for empty agent orange 55-gallon drums	Steel drums, waste sludge, fly ash	N
75S	Corrosion test site south	East of Target 21, 1200ft west of Lambert Boulevard and target access road intersection	Three trenches in an area 30ft x 150ft x 4ft deep	1973-1984	Corrosion test site for empty agent orange 55-gallon drums	Steel drums, waste sludge, fly ash	N
76	Agent Orange test site	East of Target 21, 900 feet west of Lambert Boulevard and target access road intersection	60ft x 60ft subdivided into four quadrants	1972-1974	Agent Orange application test site	1000 pounds, 2000 pounds, 2000 pounds and 4000 pounds per acre application rates in respective quadrants	Agent Orange
77	Rocket motor burn site	1.6 miles north of UTTR-North south gate entrance and 1.7 miles west of Lambert Boulevard	6ft x 18ft	Unknown	Rocket motor burn site	Debris from rocket motor	N
78	Debris filled crater	1.8 miles north of UTTR-North south gate entrance and 0.47 miles west of Lambert Boulevard	35ft diameter, 3ft deep	Unknown	Disposal pile for debris from Target S1	Bomb parts, metal debris	N
79	Open trench	300ft west of Site 78	150ft long x 3ft deep trench and 20ft diameter x 5ft deep depression	Unknown	Possible detonation of 2.75 inch rockets	Red and brown propellant	N
80	Rocket motor burn site	2.2 miles north of UTTR-North south gate entrance and 1.6 miles west of Lambert Boulevard	8ft x 25ft	Unknown	Rocket motor burn site	Debris from rocket motor	N

TABLE E-1

UTTR – NORTH AREAS OF CONCERN  
(CONTINUED)

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
81	Rocket motor burn site	300ft east of Site 80	7ft x 20ft	Unknown	Rocket motor burn site	Debris from rocket motor	N
82	Rocket motor burn site	2.1 miles north of UTTR-North south gate entrance and 1.8 miles west of Lambert Boulevard	8ft x 12ft	Unknown	Rocket motor burn site	Debris from rocket motor	N
83	Detonation Crater	0.92 miles north UTTR-North south gate entrance and 0.26 miles west of Lambert Boulevard	25ft diameter	Unknown	Disposal of spent propellant canisters and spent flares	Burnt propellant and flare canisters	N
84	Rocket motor burn site	2.2 miles north of UTTR-North south gate entrance and 1.7 miles west of Lambert Boulevard	12ft x 12ft	Unknown	Rocket motor burn site	Debris from rocket motor	N
85	Open trench adjacent to the fuse drop site	1600ft west of the intersection of Charlie Road and Ash Avenue	25ft x 100ft	Late 1950s-mid-1960s	Launch site for unguided missiles	Spent rocket motor casings, launch debris, live Cluster Bomb Unit casings, 3-55 gallon drums, 2 wooden posts	N
86	Open trench	1800ft south of the intersection of Charlie Road and Ash Avenue	15ft x 80ft	Late 1960s-early 1970s	Shelter tests	No debris in trench. Spent flare, one 2-mm casing in vicinity of trench	N
87	Tank trends and partially buried debris	0.8 miles southeast of the intersection of Charlie Road and Ash Avenue	Two 50ft diameter areas	Unknown	Possible detonation sites	Metal debris, electrical wire	N
88	Buried drums	1.5 miles east of Oasis Compound	Buried drums	Unknown	Drum disposal	Unknown	U

**TABLE E-1**  
**UTTR – NORTH AREAS OF CONCERN**  
**(CONTINUED)**

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
89	Tire target circle	0.6 miles west of Site 63-North	800ft diameter	Unknown	Target	Tires, bomb and other metallic debris, wood scrap, 55-gallon drum (no top or bottom), dark brown degraded substance approximately 10 inches in diameter	N
90	S1 Strafe shack	1.4 miles north of UTTR-North south gate entrance and 0.9 miles west of Lambert Boulevard	15ft x 5 ft x 9ft high	Unknown	Debris disposal from Target S1	Burnt canvas, glass, metal, light bulbs, nails, wood	N
91	Staging location for target material	1.37 miles north of Checkpoint Alpha along Charlie Road	Unknown	Early 1970s-1980s	Staging area for target material	25% full 55 gallon drum of Agent orange (shipped to Defense Reauthorization and Marketing Office in 1992 and disposed of), wooden target silhouettes, tires	N
92	Burial trench near Sink Valley	1.1 miles east of Little Papa test pad	90ft x 250ft	1979-1986	Disposal of debris from propagation testing at Little Papa test pad	B-52 airplane parts, spent and live munitions	N
93	Open trench with debris	1.3 miles north of UTTR-North south gate entrance and 1.7 miles west of Lambert Boulevard	15ft x 40ft x 3ft deep	Unknown	Unknown – possible detonation area	No debris in the trench. Metal debris is scattered around the trench.	N
94	CBU Valley debris trench	0.81 miles east-northeast of Checkpoint Alpha in CBU Valley	30ft x 300ft x 4 ft deep	Early 1960s-mid-1970s	Disposal of munitions debris from Eagle and CBU Valley ranges	Practice bombs, ejection booster rockets, land mine debris, "bouncing betty" anti-personnel bomb debris, live 20-mm munitions, wood and scrap metal	N

**TABLE E-1**  
**UTTR – NORTH AREAS OF CONCERN**  
**(CONTINUED)**

Site	Name	Location	Dimensions	Dates of Operation	Types of Operations	Description of Wastes	Release*
95	CBU Valley crater with debris	0.66 miles east-northeast of Checkpoint Alpha in CBU Valley	90ft diameter, 25ft deep	Mid-1970s-mid1980s	Disposal of munitions debris from CBU Valley range	Practice bombs, concrete, empty munitions boxes, spent 20- and 40-mm munitions casings, wood and scrap metal	N
96	Burial trench near fuse drop site	1375ft southwest of the intersection of Charlie Road and Ash Avenue	20ft x 100ft	Unknown	Unknown	Unknown	N
97	Crater with 55-gallon drum and motor burn debris	1.52 miles north of UTTR-North south gate entrance and 1.8 miles west of Lambert Boulevard	20ft diameter, 3ft deep	Unknown	Unknown	Empty 55-gallon drum, burned rocket motor debris	N

- \* CBU Cluster bomb unit  
D Discharge to drainfield  
HAG Helicopter Air-to-Ground Gunnery Range  
N None known  
P Potential surface release  
S Suspected surface spill  
U Unknown  
Y Yes  
Y-1 Release of approximately 500,000 gallons of waste engine oil, diesel fuel, and solvents  
Y-2 Release of approximately 40,000 gallons of rocket motor test burn quench water  
Y-3 Spill of sulfuric acid from a 3,000-gallon AST in 1986. Soil removed and replaced. Ground was covered with asphalt.

**TABLE E-2**  
**UTTR-SOUTH AF AND WENDOVER AFAFR-UTAH AREAS OF INTEREST**  
**(1 of 2)**

Range	Class	AOI Number	AOI Name	AOI Type	General Location	Brief Description	Recommended Further Actions
UTTR-South AF	I	S01UT	Impact Crater	Crater	Eastern portion of the range, southeast of Kittycat Mountain	An impact crater containing pink water.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation to include collecting samples to identify if a hazardous substance, pollutant, or contaminant release has occurred at the AOI</li> </ul>
		S05UT	Debris Pile	Pile	Eastern portion of the range, northwest of Kittycat Mountain	A pile of used military munitions and non-hazardous materials, including a potential UXO.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation, including: <ul style="list-style-type: none"> <li>● Contacting EOD to determine whether UXO are or were located at this AOI</li> <li>● Conducting a site visit to determine if there is evidence of a hazardous substance, pollutant, or contaminant release at this AOI</li> </ul> </li> <li>◆ Move used military munitions and non-hazardous materials to the permitted Wildcat Range Monofill</li> </ul>
		S07UT	SALVO Area	Target/Test Area	Western portion of the range	The area has historically been used to jettison ordnance or fuel from military aircraft during emergency situations.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation to collect samples to identify if a hazardous substance, pollutant, or contaminant release has occurred at this AOI</li> </ul>
		S09UT	Ore Processing Station	Structure	Western portion of the range, south of Mosquito Willy's	An old ore processing station that predates military use of the area, likely used in conjunction with Gold Hill related mining activities.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation to collect samples to identify if a hazardous substance, pollutant, or contaminant release has occurred at this AOI</li> </ul>
		S11UT	Debris Pile	Pile	Eastern portion of the range, northeast of Sand Island	The area contains a pile of tires, four or more 55-gallon drums, and black stained soil.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation to collect samples to identify if a hazardous substance, pollutant, or contaminant release has occurred at this AOI</li> </ul>
		S12UT	Debris Pile	Pile	Western portion of the range, adjacent to Mosquito Willy's	The area contains several drums, metal debris, and black stained soil.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation to collect samples to identify if a hazardous substance, pollutant, or contaminant release has occurred at this AOI</li> </ul>
		S13UT	Reactor Meltdown Test Grid	Target/Test Area	Southern portion of the range, along the southern UTTR-South AF boundary	The UTTR-South AF portion of a sampling network grid used during reactor meltdown tests conducted by the Air Force at DPG.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation, including: <ul style="list-style-type: none"> <li>● Reviewing additional documentation regarding the reactor meltdown test results/activities</li> <li>● Collecting samples to identify if residual radiation is present at this AOI</li> </ul> </li> </ul>
	II	S02UT	Burial Crater	Crater	Eastern portion of the range, east of Kittycat and Wildcat Mountains	A partially filled impact crater in which used military munitions were buried.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation to delineate the AOI's boundaries using non-intrusive methods</li> <li>◆ Restrict access to the site</li> <li>◆ Prepare a Site Management Plan</li> </ul>

**TABLE E-2**  
**UTTR-SOUTH AF AND WENDOVER AFAFR-UTAH AREAS OF INTEREST**  
**(2 of 2)**

Range	Class	AOI Number	AOI Name	AOI Type	General Location	Brief Description	Recommended Further Actions
UTTR-South AF (Continued)		S03UT	Debris Pile	Pile	Eastern portion of the range, east of Kittycat and Wildcat Mountains	A pile of used military munitions and non-hazardous materials, some of which may be partially buried.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation to delineate the AOI's boundaries using non-intrusive methods</li> <li>◆ Restrict access to the site</li> <li>◆ Prepare a Site Management Plan</li> </ul>
		S04UT	Burial Trenches	Trench	Eastern portion of the range, southeast of Wildcat Mountain	Series of covered trenches in which used military munitions were buried.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation to delineate the AOI's boundaries using non-intrusive methods</li> <li>◆ Restrict access to the site</li> <li>◆ Prepare a Site Management Plan</li> </ul>
		S06UT	Inert Scrap Burial Area	Trench	Eastern portion of the range, west of Kittycat Mountain	An inert scrap burial area identified on a 1967 range map.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation, including: <ul style="list-style-type: none"> <li>● Conducting a site visit to locate the burial area</li> <li>● Delineating the AOI's boundaries using non-intrusive methods after the burial area is located</li> </ul> </li> <li>◆ Restrict access to the site</li> <li>◆ Prepare a Site Management Plan</li> </ul>
		S08UT	Inert Scrap Burial Area	Trench	Western portion of the range, east of the SALVO Area	An inert scrap burial area identified on a 1967 range map.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation, including: <ul style="list-style-type: none"> <li>● Conducting a site visit to locate the burial area</li> <li>● Delineating the AOI's boundaries using non-intrusive methods after the burial area is located</li> </ul> </li> <li>◆ Restrict access to the site</li> <li>◆ Prepare a Site Management Plan</li> </ul>
	III	S10UT	Potential Burial Trench	Trench	Eastern portion of the range, east of Wildcat Mountain	A portion of the trench appears to have been filled. However, no used military munitions, hazardous materials, or non-hazardous materials were observed in the area.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation to determine whether used military munitions are buried at the AOI using non-intrusive methods</li> </ul>
Wendover AFAFR-Utah	II	W01UT	Detonation Craters	Crater	Western portion of the range, east of the state line gravel road	Five craters from the detonation and burning of Thiokol Minuteman I and II rocket motors. Target residue may have been buried in the craters.	<ul style="list-style-type: none"> <li>◆ Implement a worker awareness program which identifies the AOI as a potentially hazardous area</li> <li>◆ Conduct further investigation to determine whether used military munitions are buried at the AOI using non-intrusive methods</li> </ul>

AOI	Area of Interest
DPG	Dugway Proving Ground
EOD	Explosive Ordnance Disposal
UTTR-South AF	Utah Test and Training Range-South Air Force
UXO	Unexploded Ordnance
Wendover AFAFR	Wendover Air Force Auxiliary Field Range